

JAY RALPH M. MANDANHUYAN

Full-stack Web Developer

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KY, USA

Full-stack web developer skilled in React, Node, Express, PostgreSQL and MongoDB. I thrive in building dynamic, scalable web applications. My passion for problem-solving and delivering efficient solutions makes me a great fit for your innovative team.

Work Experience

Computer Programmer

Jul 2016 - Apr 2024

Ministry of National Guard - Health Affairs | Riyadh, Saudi Arabia

- Integrated, optimized, and monitored the Health Level Seven (HL7) Interfaces for Cerner, Philips, Abbott, PACS, and Rhapsody. Use HL7 Console as monitoring tool and Oracle SQL for integration and optimization.
- Implemented data migration via Oracle SQL Database from Main and Children's hospital to Women's hospital and for new Primary Healthcare clinics in Riyadh, Dammam, and Jeddah.
- Optimized the new Lab Information System under BESTCare Application which is not dependent on Cerner system. It uses Model-View-ViewModel framework, Windows Presentation Foundation as a User Interface, C# as a language for the controller and Oracle SQL for database management.
- Implemented and optimized screens for BESTCare Ancillary Radiology, Special Clinics and HIM sections. It uses MVVM framework, WPF, C#, Oracle SQL DBMS and Visual Studio Team Foundation Server for DevOps.

Junior Web Programmer

Apr 2012 - Dec 2015

Nakayama Technology Corporation | Davao del sur, Philippines

- Implemented a Create, Read, Update and Delete (CRUD) functions in Warehouse Management System using Data Grid that was called in JQuery API. It uses PHP as a back-end server, HTML5 and CSS3 for user interface, Javascript for controller, Bootstrap API for responsive design, AJAX for data communication to the server, JSON for storing data, tcpdf API for reports, and MYSQL for database management. It also follows Object Oriented Programming design principle.

Projects

Click here to see the list of projects.

Present

Technology: React, Node, Express, PostgreSQL, HTML5, CSS3, JavaScript

Core Skills

C#, ASP.Net, PHP, HTML5, CSS3, JavaScript, AJAX, React.js, Node.js, Express.js, TypeScript, Microsoft SQL, MySQL, SQLite, Oracle SQL, PostgreSQL, Git

Education

University of Southern Mindanao

Jun 2008 - Mar 2012

Bachelor of Science Computer Science